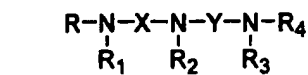


This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended). 1. ~~A Compound~~ compound of formula A,

A:



or a pharmaceutically acceptable salt thereof, wherein R is selected from the group consisting of naphthylmethyl, naphthylethyl, anthracenylmethyl, anthracenylethyl, ~~pyrenylmethyl~~, R¹, R², R³, R⁴ are selected from at least one of hydrogen, alkyl, cycloalkyl, alkylaryl, ~~para-toluenesulfonyl~~, ~~arenesulfonyl~~, ~~alkylsulfonyl~~, ~~acyl~~, ~~carbamoyl~~, where X is at least one of cycloalkyl and (CH₂)_r, and r is 2-18, where Y is at least one of cycloalkyl and (CH₂)_s and s is 2-18.

Claim 2 (Currently Amended). The compound according to claim 1, wherein R is selected from the group consisting of naphthylmethyl, naphthylethyl, anthracenylmethyl, anthracenylethyl, ~~pyrenylmethyl~~, R¹, R², R³, and R⁴ are hydrogen and r and s are 2 – 5 or a pharmaceutically acceptable salt thereof.

3 (Original): The compound according to claim 1, which is *N*-(3-Amino-propyl)-*N*-anthracen-9-ylmethyl-butane-1, 4-diamine, trihydrochloride or a pharmaceutically acceptable salt thereof.

4 (Original): The compound according to claim 1, which is *N*-(4-Amino-butyl)-*N*-anthracen-9-ylmethyl-butane-1, 4-diamine, trihydrochloride or a pharmaceutically acceptable salt thereof.

5 (Original): The compound according to claim 1, which is *N*-(4-Amino-butyl)-*N*-anthracen-9-ylmethyl-pentane-1, 5-diamine, trihydrochloride or a pharmaceutically acceptable salt thereof.

6 (Original): The compound according to claim 1, which is, *N*-(4-Amino-butyl)-*N'*-naphthalen-1-ylmethyl-butane-1, 4-diamine, trihydrochloride or a pharmaceutically acceptable salt thereof.

7 (Cancelled)

7
8 (Original): The compound according to claim 1, which is *N*-{4-[(Anthracen-9-ylmethyl)-amino]-butyl}-cyclohexane-1, 4-diamine, trihydrochloride or a pharmaceutically acceptable salt thereof.

8
9 (Currently Amended): A compound of the formula B,



or a pharmaceutically acceptable salt thereof, wherein R is selected from the group consisting of naphthylmethyl, naphthylethyl, anthracenylmethyl, anthracenylethyl, pyrenylmethyl, wherein R¹, R², R³, R⁴, and R⁵ are selected from at least one of the following: hydrogen, alkyl, cycloalkyl, alkylaryl, ~~para-toluenesulfonyl, arenesulfonyl, alkylsulfonyl, acyl, carbamoyl~~ and r is 2-18, s is 2-18 and t is 2-18.

9
10 (Original): The compound according to claim 9, wherein R¹, R², R³, R⁴, and R⁵ are hydrogen or a pharmaceutically acceptable salt thereof.

10

9

11 (Original): The compound according to claim 10, wherein r, s and t are 2-5.

11

8

12 (Original): The compound according to claim 8, which is *N*-[4-(4-Amino-butylamino)-butyl]-

N-anthracen-9-ylmethyl-butane-1, 4-diamine, tetrahydrochloride or a pharmaceutically acceptable

salt thereof.

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8

13 (Original): The compound according to claim 8, which is *N*-[4-(4-Amino-butylamino)-butyl]-

N-anthracen-9-ylmethyl-pentane-1, 5-diamine, tetrahydrochloride or a pharmaceutically

acceptable salt thereof.

14 (Cancelled)

15 (Cancelled)

16 (Cancelled)

17 (Cancelled)

18 (Cancelled)

19 (Cancelled)

13

20 (Original): The pharmaceutical composition comprising an anti-neoplastic effective amount of a polyamine according to claim 1 and a pharmaceutically acceptable carrier thereof.

14

21 (Original): The pharmaceutical composition comprising an anti-neoplastic effective amount of a polyamine according to claim 8 and a pharmaceutically acceptable carrier thereof.

22 (Cancelled)

23 (Cancelled)

24 (Cancelled)

25 (Cancelled)

26 (Cancelled)

27 (Cancelled)

28 (Cancelled)

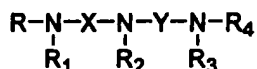
29 (Cancelled)

30 (Cancelled)

¹⁵
31 (New) The compound according to claim 1 that is useful in vectoring systems that attach to anti-cancer drugs to improve chemotherapeutic potency without involving the immune system.

¹⁶
32 (New) A compound of formula A,

A:



or a pharmaceutically acceptable salt thereof, wherein R is selected from the group consisting of naphthylmethyl, naphthylethyl, anthracenylmethyl, anthracenylethyl, pyrenylmethyl, R¹, R², R³, R⁴ are selected from at least one of hydrogen, alkyl, cycloalkyl, alkylaryl, where X is at least one of cycloalkyl and (CH₂)_r, and r is 2-18, where Y is at least one of cycloalkyl and (CH₂)_s and s is 2-18 that is useful in vectoring systems that attach to anti-cancer drugs to improve chemotherapeutic potency.

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¹⁷ 33 (New) The compound according to claim 32, which is *N*-(4-Amino-butyl)-*N'*-pyren-1-ylmethyl-butane-1,4-diamine, trihydrochloride or a pharmaceutically acceptable salt thereof.